Ultra 2 – Overview

	Ultra 2	Ultra 2	Ultra 2
	Model 1300	Model 2200	Model 2300
Packaging	Desktop	Desktop	Desktop
Performance No. of processors Architecture External cache	1	2	2
	UltraSPARC-II (300MHz)	UltraSPARC-I (200MHz)	UltraSPARC-II (300MHz)
	2MB	1MB	2MB
Performance	Model 1300	Model 2200	Model 2300
SPECint95	12.10	7.72	12.30
SPECfp95	15.50	14.70	20.20
SPECbase_int95	10.40	6.90	10.50
SPECbase_fp95	14.50	13.30	17.70
System Memory Standard Maximum Tot SIMM memory slots SIMM size	128MB	256MB	256MB
	2GB (w/ 128MB SIMMs)	2GB (w/ 128MB SIMMs)	2GB (w/ 128MB SIMMs)
	16	16	16
	16, 32, 64, 128MB	16, 32, 64, 128MB	16, 32, 64, 128MB
	(must be in groups of 4)	(must be in groups of 4)	(must be in groups of 4)
Disk Storage Internal External		4.2GB - 8.4GB 273GB	
I/O Architecture SBus slots Graphics (UPA Slots) Serial ports Parallel ports Audio		4 CPI (32/64-bit, 25MHz) 1 UPA (83/100MHz) 2 1 16-bit	
External Tape Backup	2.5GB QIC; 4-8GB I	DDS-2 4mm tape; 12-24GB 8mm	DDS-3; 20-40GB 8mm;
	2-144GB 4mm DE	pS-3 autoloader; SSL Model 8/140); 35-70GB DLT7000
Internal Data Interchange, Software Dist., Backup	12-24GB DDS-3 4mm tape; 14GB 8mm tape, 3.5" floppy, 12x CD-ROM		loppy, 12x CD-ROM
Graphics Options		Creator, Creator3D, Elite3D-m6	
Solaris License		Solaris 2.5.1 or later	
Entry Configuration	- 21" Color Monitor	- 21" Color Monitor	- 21" Color Monitor
	- Creator Graphics	- Creator Graphics	- Creator Graphics
	- 128MB Memory	- 128MB Memory	- 256MB Memory
	- 4.2GB Disk	- 4.2GB Disk	- 4.2GB Disk

Ultra 2 – Model 1300

Model 1300: One 300 MHz UltraSPARC-II, 2MB UltraCache

Part		List	Discount	
Number	Number Description		Category	
	CREATOR			
A14-UEC1-17E-128AC	21" color monitor, Creator, 128MB, 4.2GB internal Fast/Wide SCSI-2 disk	\$21,795	A	
	CREATOR3D			
A14-UEC1-17H-128AC	21" color monitor, Creator 3D Series 2, 128MB, 4.2GB internal Fast/Wide SCSI-2 disk	\$22,495	A	
A14-UEC1-7H-128AC	24" color monitor, Creator 3D Series 2, 128MB, 4.2GB internal Fast/Wide SCSI-2 disk	\$24,390	A	
ELITE3D m6				
A14-UEC1-17M-128AC	21" color monitor, Elite3D m6, 128MB, 4.2GB internal Fast/Wide SCSI-2 disk	\$29,995	A	

Upgrades:

	Part Number and	List	Discount		
From	Description CREATOR LIBORATOR	Price	Category		
	CREATOR UPGRADES				
Any SPARCstation	UGFSUEC1-17E-128AC Full system upgrade to Ultra 2 /1300 with 21" color monitor, Creator, 128MB, 4.2GB fast int. disk.	\$19,295	A*		
SPARCstation 10	UG10-UEC1-9E-128AC Chassis upgrade to Ultra 2/1300 with Creator, 128MB, 4.2GB fast internal disk	\$15,950	A*		
SPARCstation 20	UG20-UEC1-9E-000NN Chassis upgrade to Ultra 2/1300 with Creator, no disk, no memory	\$13,100	A*		
Ultra 1 Model 140 / 170	UA11-UEC1-9E-000NN Chassis upgrade to Ultra 2/1300 with Creator, no disk, no memory	\$11,600	A*		
	CREATOR3D Series 2 UPGRADES		1		
Any SPARCstation	UGFS-UEC1-7H-128AC Full system upgrade to Ultra 2/1300 with 24" color monitor, Creator 3D Series 2, 128MB, 4.2GB fast internal disk.	\$20,295	A*		
SPARCstation 10	UG10-UEC1-9H-128AC Chassis upgrade to Ultra 2/1300 with Creator3D Series 2, 128MB, 4.2GB fast internal disk.	\$16,650	A*		
SPARCstation 20	UG20-UEC1-9H-000NN Chassis upgrade to Ultra 2/1300 with Creator 3D Series 2, no disk, no memory	\$13,795	A*		
	ELITE3D UPGRADES				
Any SPARCstation	UGFSUEC1-17M-128AC Full system upgrade to Ultra 2/1300 with 21" color monitor, Elite3D , 128MB, 4.2GB fast internal disk.	\$28,495	A*		
SPARCstation 10	UG10-UEC1-9M-128AC Chassis upgrade to Ultra 2/1300 with Elite3D, 128M, 4.2GB internal disk	\$27,495	A*		
SPARCstation 20	UG20-UEC1-9M-000NN Chassis upgrade to Ultra 2/1300 with Elite3D, no disk, no memory	\$23,995	A*		
Ultra 1 Model 140 / 170	UA11-UEC1-9M-000NN Chassis upgrade to Ultra 2/1300 with Elite3D, no disk, no memory	\$22,945	A*		
	CHASSIS / MODULE UPGRADES				
Ultra 167-Mhz or 250-Mhz Module	UG-M1XXX-M300 Module upgrade to 300-Mhz Ultra 2/1300 module with 2-Mbyte E-cache and DC/DC conv	\$6,995	A*		
Ultra 2 Model 1170 / 1200 or similar	UG-M1XXX-M1300 Module upgrade to Ultra /1300, CPU only	\$6,995	A*		
Ultra 1 Model 170E, Ultra Enterprise 1, SPARCstation 20ZX	UA12-UEC1-9N-000NN Chassis upgrade to Ultra 2/1300 or Ultra Enterprise 2, no graphics, no disk, no memory	\$9,600	A*		

NOTES: All Ultra 2 Model 1300 configurations require Solaris 2.5.1 or later Solaris 2.x release.

- The Ultra 2 systems are equipped with FastEthernet (100BaseT)/10BaseT via twisted pair. If connecting to other media with an external transceiver, it will need to connect to the MII connector.
- Order a Solaris Internet Access PlusPack (IAPP-2.0-P) at no charge with inital workstation order.
- The Ultra 2 systems have a 68 pin SCSI connector on the back panel. If narrow SCSI devices are to be connected, a conversion cable (50-68 pin) is needed (X903A or X904A).
- All systems orders that include a monitor must also include a Country Kit; refer to the "Country Kits" section in the End User Price Book.
- Sun Ultra 2 systems require 4 identical SIMMs in 4 memory banks.
- Type 4 keyboard is not supported.

NOTES for UPGRADES:

- Customer Returns:
 - Any SPARCstation:

System chassis (including CPU board and primary memory), monitor, frame buffer, and internal disk,

• SPARCstation 10:

System chassis (including CPU board and primary memory), frame buffer, internal disk

- SPARCstation 20, Ultra 1 Model 140/170:
 - System chassis (including CPU board), frame buffer
 - Ultra 2 systems require 4 identical SIMMs in 4 memory banks.
- Ultra 167 Mhz or 250-Mhz Module:

Old UltraSPARC module

- Ultra 2 Model 1170 or 1200 Old CPU
- Ultra1 Model 170E, Ultra Enterprise 1, SPARCstation 20ZX System chassis (including CPU board)
- * Maximum discount may apply.

Ultra 2 – Model 2200

Model 2200: Two 200 MHz UltraSPARC-I, 1MB E-cache per CPU

Part		List	Discount		
Number	Description	Price	Category		
	CREATOR				
A14-UCB2-17E-128AC	21" color monitor, Creator graphics, 128MB, 4.2GB 7200 RPM internal disk.	\$22,995	A		
	CREATOR3D Series 2				
A14-UCB2-17H-128AC	21" color monitor, Creator 3D Series 2 graphics, 128MB, 4.2GB 7200 RPM internal disk.	\$23,695	A		

Upgrades:

	Part Number and	List	Discount
From	Description	Price	Category
	CREATOR UPGRADES		
Any SPARCstation	UFS-UCB2-17E-128AC Full system upgrade to Ultra 2 Model 2200 with 21" color monitor, Creator graphics, 128MB, 4.2GB internal disk,	\$20,495	A*
SPARCstation 10	US10UCB2-9E-128AC Chassis upgrade to Ultra 2 Model 2200 with Creator graphics, 128MB, 4.2GB fast internal disk	\$17,150	A*
SPARCstation 20	US20UCB2-9E-000NN Chassis upgrade to Ultra 2 Model 2200 with Creator graphics, no disk, no memory	\$16,300	A*
Ultra 1 Model 140 / 170	U11-UCB2-9E-000NN Chassis upgrade to Ultra 2 Model 2200 with Creator graphics, no disk, no memory	\$14,800	A*
	CREATOR3D UPGRADES		
Any SPARCstation	UFS-UCB2-17H-128AC Full system upgrade to Ultra 2 Model 2200 with 21" color monitor, Creator 3D Series 2 graphics, 128MB, 4.2GB internal disk	\$21,195	A*
SPARCstation 10	US10UCB2-9H-128AC Chassis upgrade to Ultra 2 Model 2200 with Creator3D Series 2 graphics, 128MB, 4.2GB internal disk.	\$18,150	A*
SPARCstation 20	US20UCB2-9H-000NN Chassis upgrade to Ultra 2 Model 2200 with Creator3D Series 2 graphics no disk, no memory	\$17,300	A*
Ultra 1 Model 140 / 170	U11-UCB2-9H-000NN Chassis upgrade to Ultra 2 Model 2200 with Creator3D Series 2 graphics, no disk, no memory	\$17,800	A*
	CHASSIS UPGRADE		
SPARCstation 20ZX, Ultra 1 – 170E, Ultra Enterprise 1	U12-UCB2-9N-000NN Chassis upgrade to Ultra 2 Model 2200 or Ultra Enterprise 2 Model 2200, no memory, no disk.	\$12,800	A*

NOTES: All Ultra 2 Model 2200 configurations require Solaris 2.5.1 or later Solaris 2.x release.

- The Ultra 2 systems are equipped with FastEthernet (100BaseT)/10BaseT via twisted pair. If connecting to other media with an external transceiver, it will need to connect to the MII connector.
- The Ultra 2 systems have a 68 pin SCSI connector on the back panel. If narrow SCSI devices are to be connected, a conversion cable (50-68 pin) is needed (X903A or X904A). See Options section.
- Order a Solaris Internet Access PlusPack (IAPP-2.0-P) at no charge with inital workstation order.
- All systems orders that include a monitor must also include a Country Kit; refer to the "Country Kits" section in the End User Price Book.
- Sun Ultra 2 systems require 4 identical SIMMs in 4 memory banks
- Type 4 keyboard is not supported.

NOTES FOR UPGRADES:

Customer Returns:

- Any SPARCstation: System chassis (including CPU board and primary memory), monitor, frame buffer, and internal disk,
- SPARCstation 10:
 - System chassis (including CPU board and primary memory), frame buffer, internal disk
- SPARCstation 20, Ultra 1 Model 140/170:
 - System chassis (including CPU board), frame buffer
 - Ultra 2 systems require 4 identical SIMMs in 4 memory banks.
- Ultra 167 Mhz or 250-Mhz Module:
- Old UltraSPARC module
- Ultra1 Model 170E, Ultra Enterprise 1, SPARCstation 20ZX System chassis (including CPU board)
- * Maximum discount may apply.

Ultra 2 – Model 2300

Model 2300: Two 300 MHz UltraSPARC-II, 2MB E-cache per CPU

Part	Part		Discount	
Number	Number Description		Category	
	CREATOR			
A14-UEC2-17E-256AC	21" color monitor, Creator graphics, 256MB, 4.2GB 7200 RPM internal disk.	\$31,195	A	
	CREATOR3D Series 2			
A14-UEC2-17H-256AC	21" color monitor, Creator 3D Series 2 graphics, 256MB, 4.2GB 7200 RPM internal disk	\$31,895	A	
A14-UEC2-17H-512AC	21" color monitor, Creator 3D Series 2 graphics, 512MB, 4.2GB 7200 RPM internal disk.	\$35,095	A	
A14-UEC2-7H-256AC	24" color monitor, Creator 3D Series 2 graphics, 256MB, 4.2GB 7200 RPM internal disk.	\$33,795	A	
ELITE3D m6				
A14-UEC2-17M-256AC	21" color monitor, Elite3D graphics, 256MB, 4.2GB 7200 RPM internal disk.	\$39,395	A	

Upgrades:

	Part Number and	List	Discount
From	Description	Price	Category
	CREATOR UPGRADES		
SPARCstation 10	UG10-UEC2-9E-256AC	\$25,350	A*
DITITION TO	Chassis upgrade to Ultra 2 Model 2300 with Creator graphics, 256MB, 4.2GB internal disk	Ψ20,000	• •
SPARCstation 20	UG20-UEC2-9E-000AC	\$23,200	A*
SI ARCStation 20	Chassis upgrade to Ultra 2 Model 2300 with Creator graphics, 4.2GB internal disk, no memory	\$23,200	A
	CREATOR3D UPGRADES		
	UGFS-UEC2-7H-256AC		
Any SPARCstation	Full system upgrade to Ultra 2 Model 2300 with 24" color monitor, Creator 3D Series 2 graphics,	\$31,295	A*
	256MB, 4.2GB internal disk.		
	UG10-UEC2-9H-256AC		
SPARCstation 10	Chassis upgrade to Ultra 2 Model 2300 with Creator 3D Series 2 graphics, 256MB, 4.2GB fast internal	\$26,050	A*
	disk		
	UG20-UEC2-9H-512AC		
SPARCstation 20	Chassis upgrade to Ultra 2 Model 2300 with Creator3D Series 2 graphics, 512MB, 4.2GB internal	\$24,900	A*
	disk		
III. 1 140 170	UA11-UEC2-9H-000NN	¢21.700	A*
Ultra 1 – 140 or 170	Chassis upgrade to Ultra 2 Model 2300 with Creator 3D Series 2 graphics, no memory, no disk	\$21,700	A ⁺
	CHASSIS UPGRADE		
TIL 1 170E	UA12-UEC2-9N-000NN		
Ultra 1 – 170E,	Chassis upgrade to Ultra 2 Model 2300 or Ultra Enterprise 2 Model 2300, no frame buffer, no	\$19,200	A*
Ultra Enterprise 1	memory, no disk	ŕ	
	· * * · · · · · · · · · · · · · · · · ·		

NOTES: All Ultra 2 Model 2300 configurations require Solaris 2.5.1 or later Solaris 2.x release.

- The Ultra 2 systems have a 68 pin SCSI connector on the back panel. If narrow SCSI devices are to be connected, a conversion cable (50-68 pin) is needed (X903A or X904A). See Accessories section.
- All systems orders that include a monitor must also include a Country Kit; refer to the "Country Kits" section in the End User Price Book.
- Sun Ultra 2 systems require 4 identical SIMMs in 4 memory banks.
- Type 4 keyboard is not supported.
- Order additional memory, internal or external storage options as separate line items.

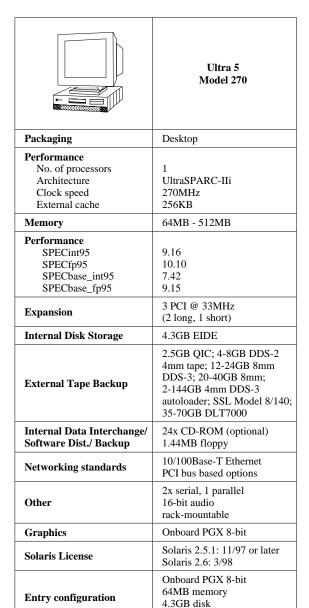
NOTES FOR UPGRADES:

Customer Returns:

- Any SPARCstation:
 System chassis (including CPU board and primary memory), monitor, frame buffer, and internal disk,
- SPARCstation 10:
 System chassis (including CPU board and primary memory), frame buffer, internal disk
- SPARCstation 20, Ultra 1 Model 140/170:
 System chassis (including CPU board), frame buffer
- Ultra1 Model 170E, Ultra Enterprise 1 System chassis (including CPU board)

^{*} Maximum discount may apply.

Ultra 5 - Model 270



1.44MB floppy

Step 1: Choose an Ultra 5 Part Number

Model 270: One 270 MHz UltraSPARC-IIi, 256KB E-cache, Onboard PGX Graphics

Part		List	Discount
Number	Description	Price	Category
A21-UFE1*9J-64AG	PGX graphics, 64MB, 4.3GB disk, floppy	\$2,995	Н
A21-UFE1*9J-128AG	PGX graphics, 128MB, 4.3GB disk, floppy	\$3,495	Н
A21-UFE1*9J-128CG	PGX graphics, 128MB, 4.3GB disk, floppy, 24x CD-ROM	\$3,595	Н
A21-UFE1*9J-256CG	PGX graphics, 256MB, 4.3GB disk, floppy, 24x CD-ROM	\$4,495	Н

Step 2: Choose a Country Kit Code and substitute the * of the Part Number with the Code (e.g. A21-UFE1A9J-64AG = Ultra 5 with North American UNIX Country Kit)

Code	Country Kit	Code	Country Kit
A	North American UNIX	F	French
В	Japanese Language	G	Swedish
С	Japanese Logoless	Y	Universal UNIX
D	German	Z	No Country Kit
E	United Kingdom		

Step 3: Choose a monitor (REQUIRED with all system orders)

	MONITORS			
X7103A	17-inch entry color monitor	\$900	A	
X119A	19-inch color monitor	\$1,400	A	
X7121A	21-inch color monitor (requires X470A)	\$2,100	A	
X470A	Video connector adapter: 13W3F to HD15M	\$55	A	

Upgrades:

Part Number	Description	List Price	Discount Category
SPARCstation 1/1+/2, SLC, ELC, LX, IPC, IPX, SPARCclassic	UG-SS2-UFE1A9J64AG Upgrade to Ultra 5 Model 270, PGX graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet, North American UNIX Country Kit	\$2,745	H*
SPARCstation 1/1+/2, SLC, ELC, LX, IPC, IPX, SPARCclassic	UG-SS2UFE1A9J256CG Upgrade to Ultra 5 Model 270, PGX graphics, 256MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, North American UNIX Country Kit	\$4,245	H*
SPARCstation 4/5	UG-S5-UFE1Z9J-64AG Upgrade to Ultra 5 Model 270, PGX graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet, no Country Kit	\$2,495	H*
SPARCstation 4/5	UG-S5-UFE1Z9J256CG Upgrade to Ultra 5 Model 270, PGX graphics, 256MB, 4.3GB internal disk, 10/100BaseT Ethernet, no Country Kit	\$3,995	Н*

NOTES FOR UPGRADES:

- Customer Returns:

SPARCstation 1/1+/4/5, SLC, ELC, LX, IPC, IPX, or SPARCclassic:

System chassis (including CPU board and primary memory), Frame buffer, Internal disk

* Maximum discount may apply.

Ultra 10 - Model 300



Model 300: One 300MHz UltraSPARC-IIi, 512KB E-cache

Part		List	Discount	
Number	Description	Price	Category	
	PGX			
A22-UEA1*9J-64AG	PGX graphics, 64MB, 4.3GB internal disk, floppy	\$5,595	Н	
A22-UEA1*9J-128CG	PGX graphics, 128MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$6,195	Н	
A22-UEA1*9J-256CG	PGX graphics, 256MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$7,095	Н	
A22-UEA1*9J-512CG	PGX graphics, 512MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$8,995	H	
	CREATOR Series 3			
A22-UEA1*9K-64AG	Creator, 64MB, 4.3GB internal disk, floppy	\$6,395	Н	
A22-UEA1*9K-128CG	Creator, 128MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$6,995	Н	
A22-UEA1*9K-256CG	Creator, 256MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$7,895	H	
A22-UEA1*9K-512CG	Creator, 512MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$9,795	Н	
	CREATOR 3D Series 3			
A22-UEA1*9L-64AG	Creator 3D, 64MB, 4.3GB internal disk, floppy	\$6,895	Н	
A22-UEA1*9L-128CG	Creator 3D, 128MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$7,495	H	
A22-UEA1*9L-256CG	Creator 3D, 256MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$8,395	Н	
A22-UEA1*9L-512CG	Creator 3D, 512MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$10,295	H	
ELITE 3D m3				
A22-UEA1*9Q-128CG	Elite 3D, 128MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$10,395	Н	
A22-UEA1*9Q-256CG	Elite 3D, 256MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$11.295	Н	
A22-UEA1*9Q-512CG	Elite 3D, 512MB, 4.3GB internal disk, 24x CD-ROM, floppy	\$13,195	Н	

Step 2: Choose a Country Kit Code and substitute the * of the Part Number with the Code (e.g. A22-UEA1A9J-64AG = Ultra 10 with North American UNIX Country Kit)

Code	Country Kit	Code	Country Kit
A	North American UNIX	F	French
В	Japanese Language	G	Swedish
С	Japanese Logoless	Y	Universal UNIX
D	German	Z	No Country Kit
Е	United Kingdom		

Step 3: Choose a monitor (REQUIRED with all system orders)

MONITORS			
X7103A	17-inch entry color monitor (req. X3872A with Creator, Creator3D, and Elite3D-m3)	\$900	A
X119A	19-inch color monitor (req. X3872A with Creator, Creator3D, and Elite3D-m3)	\$1,400	A
X7121A	21-inch color monitor (requires X470A with PGX)	\$2,100	A
X7124A	24-inch color monitor		
X470A	Video connector adapter: 13W3F to HD15M	\$55	A
X382A	Video connector adapter: HD15F to 13W3M	\$45	A

NOTES:

- Requires Solaris 2.5.1 Hardware 11/97, Solaris 2.6 Hardware 3/98, or later Solaris 2.x release.

Upgrades on next page.

Ultra 10 - Model 300 (Upgrades)

Model 300: One 300MHz UltraSPARC-IIi, 512KB E-cache

Upgrades:

Part Number	Description	List Price	Discount Category
Number	PGX Upgades	File	Category
SPARCstation 1/1+/2,	UG-SS2-UEA1A9J64AG		
SLC, ELC, LX, IPC,	Upgrade to Ultra 10 Model 300, PGX graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet,	\$5,095	H*
IPX, SPARCclassic	North American UNIX Country Kit	\$5,075	11
SPARCstation 1/1+/2,	UG-SS2-UEA1A9J256CG		
SLC, ELC, LX, IPC,	Upgrade to Ultra 10 Model 300, PGX graphics, 256MB, 4.3GB internal disk, 24x CD-ROM,	\$6,595	H*
IPX, SPARCclassic	10/100BaseT Ethernet, North American UNIX Country Kit	ψ0,575	
1111, BITTITO MISSIO	UG-S5-UEA1Z9J-64AG		
SPARCstation 4/5	Upgrade to Ultra 10 Model 300, PGX graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet,	\$4,845	H*
DITITOSMITOI I/O	no Country Kit	Ψ 1,0 10	
	UG-S5-UEA1Z9J256CG		
SPARCstation 4/5	Upgrade to Ultra 10 Model 300, PGX graphics, 256MB, 4.3GB internal disk, 24x CD-ROM,	\$6,245	H*
	10/100BaseT Ethernet, no Country Kit	,	
	UG-S20-UEA1Z9J64AG		
SPARCstation 10/20	Upgrade to Ultra 10 Model 300, PGX graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet,	\$4,695	H*
	no Country Kit		
	UG-S20-UEA1Z9J256CG		
SPARCstation 10/20	Upgrade to Ultra 10 Model 300, PGX graphics, 256MB, 4.3GB internal disk, 24x CD-ROM,	\$6,195	H*
	10/100BaseT Ethernet, no Country Kit		
	CREATOR Series 3 Upgades		
SPARCstation 1/1+/2,	U-SS2-UEA1A9K-64AG		
SLC, ELC, LX, IPC,	Upgrade to Ultra 10 Model 300, Creator graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet,	\$5,895	H*
IPX, SPARCclassic	North American UNIX Country Kit		
	UG-S5-UEA1Z9K-64AG		
SPARCstation 4/5	Upgrade to Ultra 10 Model 300, Creator graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet,	\$5,595	H*
	no Country Kit		
	UG-S5-UEA1Z9K256CG		
SPARCstation 4/5	Upgrade to Ultra 10 Model 300, Creator graphics, 256MB, 4.3GB internal disk, 24x CD-ROM,	\$6,995	H*
	10/100BaseT Ethernet, no Country Kit		
GD DG 1 10/00	UG-S20-UEA1Z9K-64AG	07.447	
SPARCstation 10/20	Upgrade to Ultra 10 Model 300, Creator graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet,	\$5,445	H*
	no Country Kit		
GD + D.G	UG-S20-UEA1Z9K256CG	06.605	***
SPARCstation 10/20	Upgrade to Ultra 10 Model 300, Creator graphics, 256MB, 4.3GB internal disk, 24x CD-ROM,	\$6,695	H*
	10/100BaseT Ethernet, no Country Kit		
T.114 1	UG-U1-UEA1Z9K-64AG	¢5 205	114
Ultra 1	Upgrade to Ultra 10 Model 300, Creator graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet,	\$5,395	H*
	no Country Kit UG-U1-UEA1Z9K256CG		
I Iltuo 1		\$6.205	Н*
Ultra 1	Upgrade to Ultra 10 Model 300, Creator graphics, 256MB, 4.3GB internal disk, 24x CD-ROM,	\$6,395	ΗŤ
	10/100BaseT Ethernet, no Country Kit		1

NOTES FOR UPGRADES:

- Customer Returns:
 - SPARCstation 1/1+/4/5/10/20, SLC, ELC, LX, IPC, IPX, or SPARCclassic, Ultra 1:
 - System chassis (including CPU board and primary memory)
 - Frame buffer
 - Internal disk
 - * Maximum discount may apply.

Ultra 10 - Model 300 (Upgrades Cont.)

Model 300: One 300MHz UltraSPARC-IIi, 512KB E-cache

Upgrades:

Part Number	Description	List Price	Discount Category
	CREATOR 3D Series 3 Upgades		- carrigory
SPARCstation 4/5	UG-S5-UEA1Z9L-64AG Upgrade to Ultra 10 Model 300, Creator3D graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet, no Country Kit	\$6,095	H*
SPARCstation 4/5	UG-S5-UEA1Z9L256CG Upgrade to Ultra 10 Model 300, Creator3D graphics, 256MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, no Country Kit	\$7,395	H*
SPARCstation 10/20	U-S20-UEA1Z9L-64AG Upgrade to Ultra 10 Model 300, Creator3D graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet, no Country Kit	\$5,945	H*
SPARCstation 10/20	UG-S20-UEA1Z9L256CG Upgrade to Ultra 10 Model 300, Creator3D graphics, 256MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, no Country Kit	\$7,095	H*
Ultra 1	UG-U1-UEA1Z9L-64AG Upgrade to Ultra 10 Model 300, Creator3D graphics, 64MB, 4.3GB internal disk, 10/100BaseT Ethernet, no Country Kit	\$5,795	Н*
Ultra 1	UG-U1-UEA1Z9L256CG Upgrade to Ultra 10 Model 300, Creator3D graphics, 256MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, no Country Kit	\$6,595	Н*
	ELITE 3D m3 Upgades		
SPARCstation 4/5	UG-S5-UEA1Z9Q-128CG Upgrade to Ultra 10 Model 300, Elite3D graphics, 128MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, no Country Kit	\$9,195	Н*
SPARCstation 4/5	UG-S5-UEA1Z9Q-512CG Upgrade to Ultra 10 Model 300, Elite3D graphics, 512MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, no Country Kit	\$11,795	H*
SPARCstation 10/20	UGS20UEA1Z9Q-128CG Upgrade to Ultra 10 Model 300, Elite3D graphics, 128MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, no Country Kit	\$8,895	H*
SPARCstation 10/20	UGS20UEA1Z9Q-512CG Upgrade to Ultra 10 Model 300, Elite3D graphics, 512MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, no Country Kit	\$11,495	H*
Ultra 1	UGU1-UEA1Z9Q-128CG Upgrade to Ultra 10 Model 300, Elite3D graphics, 128MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, no Country Kit	\$8,395	Н*
Ultra 1	UGU1-UEA1Z9Q-512CG Upgrade to Ultra 10 Model 300, Elite3D graphics, 512MB, 4.3GB internal disk, 24x CD-ROM, 10/100BaseT Ethernet, no Country Kit	\$10,895	Н*

NOTES FOR UPGRADES:

- Customer Returns:

SPARCstation 1/1+/4/5/10/20, SLC, ELC, LX, IPC, IPX, or SPARCclassic:

 $System\ chassis\ (including\ CPU\ board\ and\ primary\ memory)$

Frame buffer

Internal disk

^{*} Maximum discount may apply.

Ultra 30 - Overview

	Ultra	30	
	Model 250	Model 300	
Performance			
No. of processors Architecture Clock speed External cache	1 UltraSPARC-II 248 MHz 1MB	1 UltraSPARC-II 296 MHz 2MB	
Memory	128MB-	-2GB	
Performance SPECint95	10.0	12.1	
SPECfp95	14.9	18.3	
SPECbase_int95	8.6	10.2	
SPECbase_fp95	13.6	16.2	
Expansion	2 UPA @ 100MHz 1 PCI @ 66/33-MHz/64-bit 3 PCI @ 33-MHz/64-bit UltraSCSI		
Internal Disk Storage	4.2GB - UltraS		
External Tape Backup	2.5GB QIC, 4-8GB 12-24GB 8mm DDS 72-144GB 4mm D SSL Model 8/140, 3	-3, 20-40GB 8mm, DS-3 Autoloader,	
Internal Data	12-24GB DDS	-3 4mm tape,	
Interchange/	14GB 8m		
Software Dist./	12x CD-	· · · · · · · · · · · · · · · · · · ·	
Backup	1.44MB	117	
Networkding standards	10/100Base- PCI bus bas		
Stanuar us	2x serial, 1		
Other	16-bit rack-mo	audio	
Graphics	Creator, Cr Elite3D-m3,	Elite3D-m6	
Solaris License	Solaris 2. Solaris 2	.6: 3/98	
Entry configuration	21" monitor (24" optional) Creator series 3 128MB memory 4.2GB disk		

Ultra 30 - Model 250

Model 250: One 250 MHz Ultra SPARC-II, 1MB E-cache

Part		List	Discount
Number	Description	Price	Category
	CREATOR Series 3		
A16UDB1-17K-128AC	21" color monitor, Creator Series 3 graphics, 128MB, 4.2GB Ultra F/W SCSI-2 disk	\$13,995	A
CREATOR3D Series 3			
A16UDB1-17L-128AC	21" color monitor, Creator 3D Series 3 graphics, 128MB, 4.2GB Ultra F/W SCSI-2 disk	\$14,695	A
A16-UDB1-7L-128AC	24" color monitor, Creator 3D Series 3 graphics, 128MB, 4.2GB Ultra F/W SCSI-2 disk	\$16,595	A

NOTES: Ultra 30 workstation configurations require Solaris 2.5.1 hardware: 4/97 or greater.

- The Ultra 30 systems are equipped with FastEthernet (100BaseT)/10BaseT via twisted pair. If connecting to other media with an external transceiver, it will need to connect to the MII connector.
- The Ultra 30 systems have a 68 pin SCSI connector on the back panel. If narrow SCSI devices are to be connected, a conversion cable (50-68 pin) is needed (X903A or X904A). See Accessories section.

Upgrades:

	Part Number and	List	Discount		
From	Description	Price	Category		
	CREATOR Series 3				
Any SPARCstation	Any SPARCstation UGFS6UDB117K-128AC Full system upgrade to Ultra 30 Model 250, 21" color monitor, Creator Series 3, 128MB, 4.2GB disk				
Ultra 1, Ultra 2	UG14-6UDB19K-000NN Chassis upgrade to Ultra 30 Model 250, Creator Series 3, no memory, no disk	\$6,995	A*		
UltraSPARC, SPARCstation 20	UG14-6UDB19K-000AC Chassis upgrade to Ultra 30 Model 250, Creator Series 3, 4.2GB disk, no memory	\$7,995	A*		
UltraSPARC, SPARCstation 5, 10, or 20	UG14-6UDB19K-128AC Chassis upgrade to Ultra 30 Model 250, Creator Series 3, 128MB, 4.2GB disk	\$9,995	A*		
	CREATOR 3D Series 3				
Any SPARCstation	UGFS-6UDB17L-128AC Full system upgrade to Ultra 30 Model 250, 24" color monitor, Creator3D Series 3, 128MB, 4.2GB disk	\$13,595	A*		
Ultra 1, Ultra 2	UG14-6UDB19L-000NN Chassis upgrade to Ultra 30 Model 250, Creator3D Series 3, no memory, no disk	\$7,695	A*		
UltraSPARC, SPARCstation 20	UG14-6UDB19L-000AC Chassis upgrade to Ultra 30 Model 250, Creator3D Series 3, 4.2GB disk, no memory	\$8,695	A*		

NOTES FOR UPGRADES:

Customer Returns:

- Any SPARCstation:
 - System chassis (including CPU board and primary memory), monitor, frame buffer, and internal disk,
- UltraSPARC, SPARCstation 5, 10, 20:
 System chassis (including CPU board and primary memory), frame buffer, internal disk
- UltraSPARC, SPARCstation 20:
 System chassis (including CPU board), frame buffer, internal disk
- Ultra 1, Ultra 2
 System chassis (including CPU board), frame buffer
- Ultra 167 Mhz or 250-Mhz Module:
 Old UltraSPARC module

Ultra 30 - Model 300

Model 300: One 300 MHz / 2MB Ultra SPARC-II

Part		List	Discount
Number	Description	Price	Category
	CREATOR Series 3		
A16UEC1-17K-128AC	21" color monitor, Creator Series 3 graphics, 128MB, 4.2GB Ultra F/W SCSI-2 disk	\$16,995	A
A16UEC1-17K-512AC	21" color monitor, Creator Series 3 graphics, 512MB, 4.2GB Ultra F/W SCSI-2 disk	\$21,315	A
	CREATOR 3D Series 3		
A16UEC1-17L-128AC	21" color monitor, Creator 3D Series 3 graphics, 128MB, 4.2GB Ultra F/W SCSI-2 disk	\$17,695	A
A16UEC1-17L-512AC	21" color monitor, Creator 3D Series 3 graphics, 512MB, 4.2GB Ultra F/W SCSI-2 disk	\$22,015	A
A16-UEC1-7L-128AC	24" color monitor, Creator 3D Series 3 graphics, 128MB, 4.2GB Ultra SCSI-2 disk	\$19,595	A
	ELITE3D m3		
A16UEC1-17Q-128AC	21" color monitor, Elite3D m3 graphics, 128MB, 4.2GB Ultra F/W SCSI-2 disk	\$21,695	A
	ELITE3D m6		
A16UEC1-17M-128AC	21" color monitor, Elite3D m6 graphics, 128MB, 4.2GB Ultra F/W SCSI-2 disk	\$25,195	A

NOTES:

- All systems ship with the appropriate Solaris Desktop license.
- Requires Solaris 2.5.1 Hardware 4/97, Solaris 2.6 or later Solaris 2.x release.
- Packages with internal disks are delivered with JumpStart preinstalled, allowing automatic, customized installation fromthe Solaris 2.x CD-ROM. All systems must have access to Solalrlis media.
- Ultra 30 systems are equipped with FastEthernet (100BaseT) or 10BaseT via twisted-pair. If connecting to other media with an external transceiver, it will need to connect to the MII connector.
- Ultra 30 systems have a wide SCSI connector on the back panel (68-pin). If narrow SCSI devices are to be connected to the onboard SCSI interface a wide-to-narrow conversion cable (68-5n) is needed.

Upgrades on next page.

Ultra 30 - Model 300 (Upgrades)

Upgrades:

	Part Number and	List	Discount
From	Description	Price	Category
	CREATOR Series 3		
Any SPARCstation	UGFS6UEC117K-128AC Full system upgrade to Ultra 30 Model 300, 21" color monitor, Creator Series 3, 128MB, 4.2GB disk	\$12,995	A
Ultra 1, Ultra 2	UG14-6UEC19K-000NN Chassis upgrade to Ultra 30 Model 300, Creator Series 3, no memory, no disk	\$8,995	A
UltraSPARC, SPARCstation 20	UG14-6UEC19K-000AC Chassis upgrade to Ultra 30 Model 300, Creator Series 3, 4.2GB disk, no memory	\$9,995	A
UltraSPARC, SPARCstation 5, 10, or 20	UG14-6UEC19K-128AC Chassis upgrade to Ultra 30 Model 250, Creator Series 3, 128MB, 4.2GB disk	\$11,995	A
	CREATOR 3D Series 3		
Any SPARCstation	UGFS6UEC117L-128AC Full system upgrade to Ultra 30 Model 300, 21" color monitor, Creator3D Series 3, 128MB, 4.2GB disk	\$13,695	A
Any SPARCstation	UGFS-6UEC17L-128AC Full system upgrade to Ultra 30 Model 300, 24" color monitor, Creator3D Series 3, 128MB, 4.2GB disk	\$15,595	A
Ultra1, Ultra 2	UG14-6UEC19L-000NN Chassis upgrade to Ultra 30 Model 300, Creator3D Series 3, no memory, no disk	\$9,695	A
UltraSPARC, SPARCstation 20	UG14-6UEC19L-000AC Chassis upgrade to Ultra 30 Model 300, Creator3D Series 3, 4.2GB disk, no memory	\$10,695	A
UltraSPARC, SPARCstation 5, 10, or 20	UG14-6UEC19L-512AC Chassis upgrade to Ultra 30 Model 300, Creator3D Series 3, 512MB, 4GB disk	\$17,015	A
SPARCstation 10, or 20	UG20-3UEC19L-128AC Chassis upgrade to Ultra 30 Model 300, Creator3D Series 3, 128MB, 4GB disk	\$9,795	Н

ELITE3D				
Any SPARCstation	UGFS6UEC117Q-128AC Full system upgrade to Ultra 30 Model 300, 21" color monitor, Elite3D m3, 128MB, 4.2GB disk	\$19,195	A	
Any SPARCstation	UGFS6UEC117M-128AC Full system upgrade to Ultra 30 Model 300, 21" color monitor, Elite3D m6, 128MB, 4.2GB disk	\$22,965	A	
UltraSPARC, SPARCstation 5, 10, or 20	UG14-6UEC19Q-128AC Chassis upgrade to Ultra 30 Model 300, Elite3D m3, 128MB, 4GB disk	\$17,695	A	
UltraSPARC, SPARCstation 5, 10, or 20	UG14-6UEC19M-128AC Chassis upgrade to Ultra 30 Model 300, Elite3D m6, 128MB, 4GB disk	\$21,195	A	
	MODULE UPGRADE			
Ultra 167Mhz or 250Mhz	UG-MXXX-M300 Module upgrade from any 167 or 250Mhz module to 300Mhz UltraSPARC-2, 2MB E-cache, DC/DC	\$6,995	A	
Ultra 30 Model 250	UG-A16-M250-M300 Module upgrade from 250MHz to 300MHz	\$5,995	A	

NOTES FOR UPGRADES:

Customer Returns:

Any SPARCstation:

System chassis (including CPU board and primary memory), monitor, frame buffer, and internal disk,

UltraSPARC, SPARCstation 5, 10, 20:

System chassis (including CPU board and primary memory), frame buffer, internal disk

UltraSPARC, SPARCstation 20:

System chassis (including CPU board), frame buffer, internal disk

Ultra 1, Ultra 2

System chassis (including CPU board), frame buffer

Ultra 167 Mhz or 250-Mhz Module:

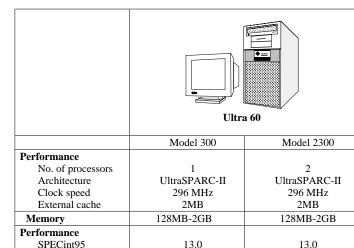
Old UltraSPARC module

23.5

10.5

20.2

Ultra 60 Workstation



18.3

10.3

16.5

4.2-18.2GB UltraSCSI

UltraSCSI & PCI bus based expansion

2 UPA @ 100/120MHz

1 CPI @ 66/33MHz 3 CPI @ 33MHz

12-24GB DDS-3 4mm tape

14GB 8mm tape

3.5" floppy 12x CD-ROM

2.5GB QIC, 4-8GB DDS-2 4mm tape, 12-24GB 8mm DDS-3, 20-40GB 8mm.

72-144GB 4mm DDS-3 Autoloader. SSL Model 8/140, 35-70GB DLT7000

10/100Base-T Ethernet

PCI bus based options

1.44MB floppy

2x serial, 1 parallel

16-bit audio

rack-mountable

Creator, Creator3D,

Elite3D-m3, Elite3D-m6

Creator3D-3

256MB mem

4.2GB disk

Solaris 2.5.1 H/W 11/97; Solaris 2.6 H/W 3/98

Creator3D-3

128MB mem

4.2GB disk

SPECfp95

Disk Storage Internal

I/O Architecture UPA

Internal Data

Software

Backup

Networking

Other

Graphics

Solaris License

Entry configuration

Standards

Interchange/

Dist.,/Backup **External Tape**

External

CPI

SPECbase_int95

SPECbase_fp95

Part		List	Discount
Number	Description	Price	Category
	Model 300: One 300MHz UltraSPARC-II, 1MB UltraCache		
A23-UEC1-9L-128AC	Creator3D series 3, 128MB, 4.2GB, 7200 RPM internal disk	\$13,295	Н
A23-UEC1-9L-512AC	Creator3D series 3, 512MB, 4.2GB, 7200 RPM internal disk	\$16,450	Н
A23-UEC1-9Q-128AC	Elite3D m3, 128MB, 4.2GB, 7200 RPM internal disk	\$16,220	Н
A23-UEC1-9M-128AC	Elite3D m6, 128MB, 4.2GB, 7200 RPM internal disk	\$18,780	Н
	Model 2300: Two 300MHz UltraSPARC-II, 1MB UltraCache per CPU		
A23-UEC2-9L-256AC	Creator3D series 3, 256MB, 4.2GB, 7200 RPM internal disk	\$20,170	Н
A23-UEC2-9L-512AC	Creator3D series 3, 512MB, 4.2GB, 7200 RPM internal disk	\$22,310	Н
A23-UEC2-9Q-256AC	Elite3D m3, 256MB, 4.2GB, 7200 RPM internal disk	\$23,100	Н
A23-UEC2-9M-256AC	Elite3D m6, 256MB, 4.2GB, 7200 RPM internal disk	\$25,660	Н
A23-UEC2-9M-512AC	Elite3D m6, 512MB, 4.2GB, 7200 RPM internal disk	\$27,795	Н
		. , , , , , , , , , , , , , , , , , , ,	

-						
	Monitors (REQUIRED with all system orders)					
	X7119A	19" color monitor (also order X3872A video adapter cable)	\$1,400	A		
	X7121A	21" color monitor	\$2,100	A		
	X7124A	24" wide-screen color monitor (only for use with Creator3D)	\$4,000	A		
	X3872A	Video connector adapter HD15F to 13W3M	\$45	A		

Upgrades to Model 300:

From	Part Number and		Discount
	Description	Price	Category
SPARCstation 10/20	UG20-3UEC19Q-128AC	\$12,720	H*
	Chassis upgrade to Ultra 60 Model 300: Elite3D m3, 128MB, 4.3GB	+,	
SPARCstation 10/20	UG20-3UEC19L-128AC	\$9,795	Н*
	Chassis upgrade to Ultra 60 Model 300: Creator3D series 3, 128MB, 4.3GB	Ψ2,723	
Ultra 1/2	UG14-3UEC19L-000AC	\$7,995	Н*
	Chassis upgrade to Ultra 60 Model 300: Creator3D series 3, no memory, 4.3GB	\$1,993	
Ultra 1/2	UG14-3UEC19Q-000AC	\$10.920	H*
	Chassis upgrade to Ultra 60 Model 300: Elite3D m3, no memory, 4.3GB	\$10,920	
Ultra 1/2	UG14-3UEC19M-000AC	\$13,480	H*
	Chassis upgrade to Ultra 60 Model 300: Elite3D m6, no memory, 4.3GB	φ1 <i>3</i> ,460	

- All systems ship with the appropriate Solaris Desktop or Server license.
- Ultra 60 systems require Solaris 2.5.1 H/W 11/97, Solaris 2.6 H/W 3/98, or later Solaris 2.x release.
- Ultra 60 systems are equipped with FastEthernet (100BaseT) or 10BaseT via twisted-pair. If connecting to other media with an external transceiver, it will need to connect to the MII connector.
- Ultra 60 systems have a 68 pin SCSI connector on the back panel. If narrow SCSI devices are to be connect to the onboard SCSI interface a 50-68 pin cable (X903A or X904A) is needed.

NOTES for UPGRADES:

- Customer returns: system chassis, frame buffer, internal disk

M	laximum	discount	may	apply.	

